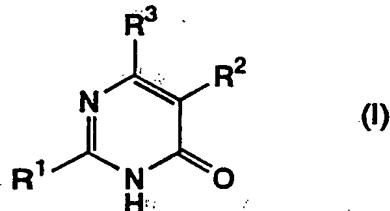


CLAIMS

1. A pyrimidone derivative represented by formula (I) or a salt thereof, or a solvate thereof or a hydrate thereof:



wherein R¹ represents a C₁-C₁₈ alkyl group which may be substituted, a C₃-C₁₈ alkenyl group which may be substituted, a C₃-C₁₈ alkynyl group which may be substituted, a C₃-C₈ cycloalkyl group which may be substituted, a C₆-C₁₄ aryl group which may be substituted, a C₁-C₁₈ alkyloxy group which may be substituted, a C₃-C₁₈ alkenyloxy group which may be substituted, a C₃-C₁₈ alkynyloxy group which may be substituted, a C₃-C₈ cycloalkyloxy group which may be substituted, a heterocyclic group which may be substituted, or a group represented by -N(R⁴)-W-R⁵ wherein R⁴ and R⁵ independently represent a hydrogen atom, a C₁-C₁₈ alkyl group which may be substituted, a C₃-C₁₈ alkenyl group which may be substituted, a C₃-C₁₈ alkynyl group which may be substituted, a C₃-C₈ cycloalkyl group which may be substituted, or a C₆-C₁₄ aryl group which may be substituted, and symbol "W" represents a single bond, a carbonyl group, a sulfonyl group, or a nitrogen atom which may be substituted with a C₁-C₁₈ alkyl group which may be substituted; R² represents a hydrogen atom, hydroxyl group, a C₁-C₈ alkyl group which may be substituted, a C₃-C₈ alkenyl group which may be substituted, a C₃-C₈ cycloalkyl group which may be substituted, a C₁-C₈ alkyloxy group which may be substituted, a C₃-C₈ cycloalkyloxy group which may be substituted, a

~~C₆-C₁₄ aryloxy group which may be substituted, a C₁-C₈ alkylthio group which may be substituted, a halogen atom, nitro group, cyano group, an amino group which may be substituted, carboxyl group, a C₁-C₈ alkyloxycarbonyl group which may be substituted, a C₃-C₈ cycloalkyloxycarbonyl group which may be substituted, carbamoyl group, a C₁-C₈ alkylaminocarbonyl group which may be substituted, or a C₁-C₈ dialkylaminocarbonyl group which may be substituted; and R³ represents a pyridyl group which may be substituted.~~

2. The pyrimidone derivative or the salts thereof, or the solvate thereof or the hydrate thereof according to claim 1, wherein R² is hydrogen atom, a C₁-C₈ alkyl group, or a halogen atom.

3. The pyrimidone derivative or the salts thereof, or the solvate thereof or the hydrate thereof according to claim 2, wherein R² is hydrogen atom.

4. The pyrimidone derivative or the salts thereof, or the solvate thereof or the hydrate thereof according to claim 1, wherein R¹ is a C₁-C₁₈ alkyl group which may be substituted, a C₃-C₈ cycloalkyl group which may be substituted, a C₆-C₁₄ aryl group which may be substituted, a heterocyclic group which may be substituted by an alkyl group, or a group represented by -N(R⁴)-W-R⁵, wherein R⁴ and R⁵ independently represent a hydrogen atom, a C₁-C₁₈ alkyl group which may be substituted, or a C₆-C₁₄ aryl group which may be substituted; and symbol "W" represents a single bond or carbonyl group.

5. The pyrimidone derivative or the salts thereof, or the solvate thereof or the hydrate thereof according to claim 4, wherein R¹ is a C₁-C₁₈ alkyl group which may be substituted, a C₃-C₈ cycloalkyl group which may be substituted, a C₆-C₁₄ aryl group which may be substituted, a heterocyclic

group which may be substituted by an unsubstituted alkyl group, or a group represented by $-N(R^4) \cdot W \cdot R^5$, wherein R^4 and R^5 independently represent a hydrogen atom, a $C_1 \text{-} C_{18}$ alkyl group which may be substituted, or a $C_6 \text{-} C_{14}$ aryl group which may be substituted, and symbol "W" represents a single bond.

6. The pyrimidone derivative or the salts thereof, or the solvate thereof or the hydrate thereof according to claim 1, wherein R^3 represents 4-pyridyl group.

7. A pyrimidone derivative which is selected from the group consisting of:

2-(3-pyridyl)-6-(4-pyridyl)pyrimidin-4-one,
2-phenyl-6-(4-pyridyl)pyrimidin-4-one,
6-(4-pyridyl)-2-(2-tolyl)pyrimidin-4-one,
6-(4-pyridyl)-2-(3-tolyl)pyrimidin-4-one,
2-(4-methylbenzyl)-6-(4-pyridyl)pyrimidin-4-one,
2-(4-chlorobenzyl)-6-(4-pyridyl)pyrimidin-4-one,
6-(4-pyridyl)-2-(2-thienylmethyl)pyrimidin-4-one,
2-(3-phenylpropyl)-6-(4-pyridyl)pyrimidin-4-one,
2-amino-6-(4-pyridyl)pyrimidin-4-one, and
2-(N-isobutyl-N-methylamino)-6-(4-pyridyl)pyrimidin-4-one
or a salts thereof, or a solvate thereof or a hydrate thereof

8. A medicament comprising as an active ingredient a substance selected from the group consisting of a pyrimidone derivative represented by formula (I) or a salts thereof, or a solvate thereof or a hydrate thereof according to claim 1.

9. A tau protein kinase 1 inhibitor selected from the group of a pyrimidone derivative represented by formula (I) or a salts thereof, or a

solvate thereof or a hydrate thereof according to claim 1.

10. The medicament according to claim 8 which is used for preventive and/or therapeutic treatment of a disease caused by tau protein kinase 1 hyperactivity.

11. The medicament according to claim 8 which is used for preventive and/or therapeutic treatment of a neurodegenerative disease.

12. The medicament according to claim 11, wherein the disease is selected from the group consisting of Alzheimer disease, ischemic cerebrovascular accidents; Down syndrome, cerebral bleeding due to cerebral amyloid angiopathy, progressive supranuclear palsy, subacute sclerosing panencephalitic parkinsonism, postencephalitic parkinsonism, pugilistic encephalitis, Guam parkinsonism-dementia complex, Lewy body disease, Pick's disease, corticobasal degeneration and frontotemporal dementia.

add
A2